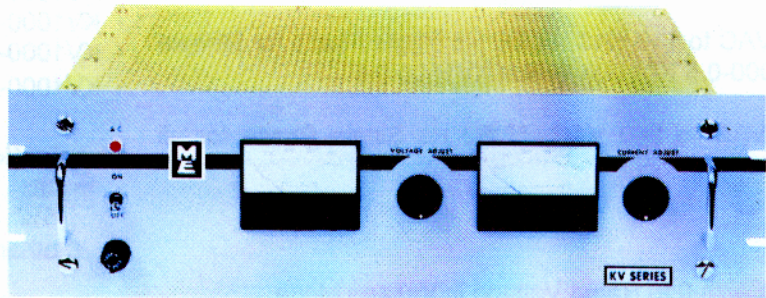


High Voltage Power Supplies

KV

■ Features

Output 0 to 1500 VDC
Voltage Regulated 0.5%
Current Regulated 0.5%
Voltmeter and Ammeter
Ripple 0.5% RMS
Voltage/Voltage Programmable
Resistance Programmable
IEEE488 Programmable



■ Models

Model Number	Out put		Regulation %		Panel Height
	Voltage	Amps	Voltage	Current	
KV 1000-0.5	0-1000	0-0.5	0.5	0.5	5-1/4
KV 1000-1	0-1000	0-1.0	0.5	0.5	7
KV 1000-2	0-1000	0-2.0	0.5	0.5	10-1/2
KV 1000-3	0-1000	0-3.0	0.5	0.5	14
KV 1500-0.5	0-1500	0-0.5	0.5	0.5	7
KV 1500-1	0-1500	0-1.0	0.5	0.5	10-1/2
KV 1500-1.5	0-1500	0-1.5	0.5	0.5	14

■ Application

The KV Series of Power Supplies are constant voltage/constant current units with automatic crossover. Models are available with up to 3 ampere current capacity over the full voltage range. Options such as remote voltage programming, remote current programming and remote turn on and turn off make the unit a versatile piece of equipment for laboratory or manufacturing operations.



MID-EASTERN INDUSTRIES

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KV High Voltage Power Supplies

■ Specification

Input:

100 VAC to 130 VAC, 50/60 Hz Single Phase for Models KV1000-0.5 KV1000-1, and KV1500-0.5

200 VAC to 260 VAC, 50/60 Hz Single Phase for all others.

Output:

Adjustable 0 to Rated Voltage in Voltage Mode.

Adjustable 0 to Rated Current in Current Mode.

Regulation:

Voltage: Less than 0.5% for a full load step.

Current: Less than 0.5% for full voltage compliance over the operating range of 100 to 1000 volts.

Ripple: Less than 5.0 Volts RMS.

Load Response: Less than 500 milliseconds, for a half load step, to return to regulation limits.

Controls:

- 10-Turn Voltage Control
- 10-Turn Current Control
- Voltmeter
- Ammeter
- Input Fuse-KV 1000-0.5 KV 1000-1 and KV 1500 - 0.5
- Circuit Breaker-all others.

Size:

- KV1000-0.5: 5-1/4" Panel x19x16-1/2 Deep
- KV1000-1, KV1500-0.5: 7" Panel X19X16-1/2 Deep
- KV1000-2, KV1500-1:10-1/2"Panel X19X16-1/2 Deep
- KV1000-3, KV1500-1.5 14" Panel X 19X16-1/2Deep

Termination:

Input:

5¼" & 7" models have 3-wire Line Cords. All others have a Barrier Terminal Strip.

Output:

Barrier Terminal Strip at the rear.

Operating Ambient:

0 to 50°C without derating.

Options:

- 06 Over Voltage Protection.
- 36 Remote Voltage Programming (NonIsolated)
- 52 Remote Current Programming.(Non Isolated)
- 60 Remote Control of DC Output-Turn On/Off.
- 85 Isolated Remote Voltage Programming.
- 90 Isolated Remote Current Programming.
- 110 RS-485 Programming & Read back; V and I.
- 112 IEEE488 Programming & Read back; V and I.



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